TION METHOD OF X-RAY IMAGES Inventors: Gopal B. Avinash et al. Application No. 10/710,391 Attorney Docket No. 153643XZ (GEMS0250PUS) Replacement Sheet Filtered Image I_{blended} Generate a Structure Dependent Noise Fig. 4 Within the Blended Image G_{TS} Intensity Match Values Generate an Adjusted Gradient Value GrA Threshold Value G_{TV} Generate a Gradient 126 Structure Dependent Smooth Filter the Normalized Raw Image Data 108 Gradient Mask Gmag Generate a Structure Generate a Conditioned Function Values W_F Generate Weighted Blended Image -124 Smooth the Structure Mask Mcs 2 Normalized Raw Image Data left M_{bcb} Modulate the Smoothed Low Count Structure Based on Counts Smooth the Normalized മ് Normalize Raw Raw Image Data Image Data Dependent Noise Filter Data to A. Image Data and the Structure 201-Blend the Normalized Raw Form a Blended Image I_{brr} 104 ď Generate a Counts-Based LowCountLimit Modulation Mask M_{cb} LowCountFlat മ് 221 Image Data R Receive Raw 100

Title: COUNT ADAPTIVE NOISE REP